

# COP 290

## Designing Documentation

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# Application Description

- A user-friendly application to enable someone to explore his moodleplus account maintained at the given server.
- Divided into activities with some fragments along with various design layouts and resources for various parts of the user interface.
- Following the login activity there is a main activity containing a drawer with an expandablelist view containing headers like grades courses and notification.
- Volley network library is used (as encouraged) to send and receive data from the server, if all the details are properly provided.

# Application Features

- The Session handler can remember multiple usernames and passwords and given a username, password is set automatically if it was saved (as per the us.
- In the dashboard there is a calander so one can have a quick view of important dates and also enabling one to mark important dates there.
- The drawer contains group headers like Overview, Grades, Notifications and Courses enabling faster access to data with a friendly UI.
- Course information is displayed in a tab layout view for the above mentioned reasons from where the user can freely navigate to tabs like overview, assignments, threads etc.
- For connection error conditions, toasts are made to appear with related information.

# High Level Functions Used

## Text-Watcher Methods

To autofill the password into the field, if the password corresponding to that username was remembered.

## populate()

To populate data related to expandable list

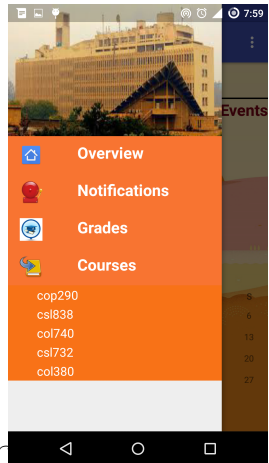
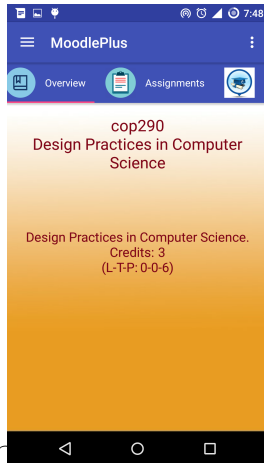
## On Click Methods

For buttons which involve navigation, checking and sending requests to servers.

## Various Methods for Request Queue

A separate class used to implement a global request queue in order to avoid creating a new one on every button click. Cookie Handler, to maintain session data, is integrated here as well.

# A peek into the app



# References

- Basic Reference:  
[developer.android.com/training/](http://developer.android.com/training/)
- Volley References :  
[developer.android.com](http://developer.android.com), [androidhive.info](http://androidhive.info)
- View Pager and Navigation Drawer References :  
[developer.android.com](http://developer.android.com), [androidhive.info](http://androidhive.info)
- Expandable List View :  
[Vogella.com](http://Vogella.com)
- Icon Images and Backgrounds:  
[tradefair.omaheke.com](http://tradefair.omaheke.com), [tophding.com](http://tophding.com)
- Miscellaneous methods and troubleshooting :  
[Android Documentation](#), [Stack Overflow](#)